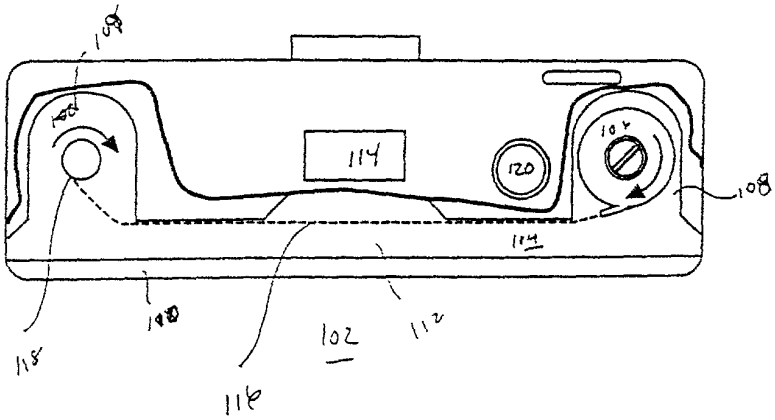

FIG. 1 (PRIOR ART)

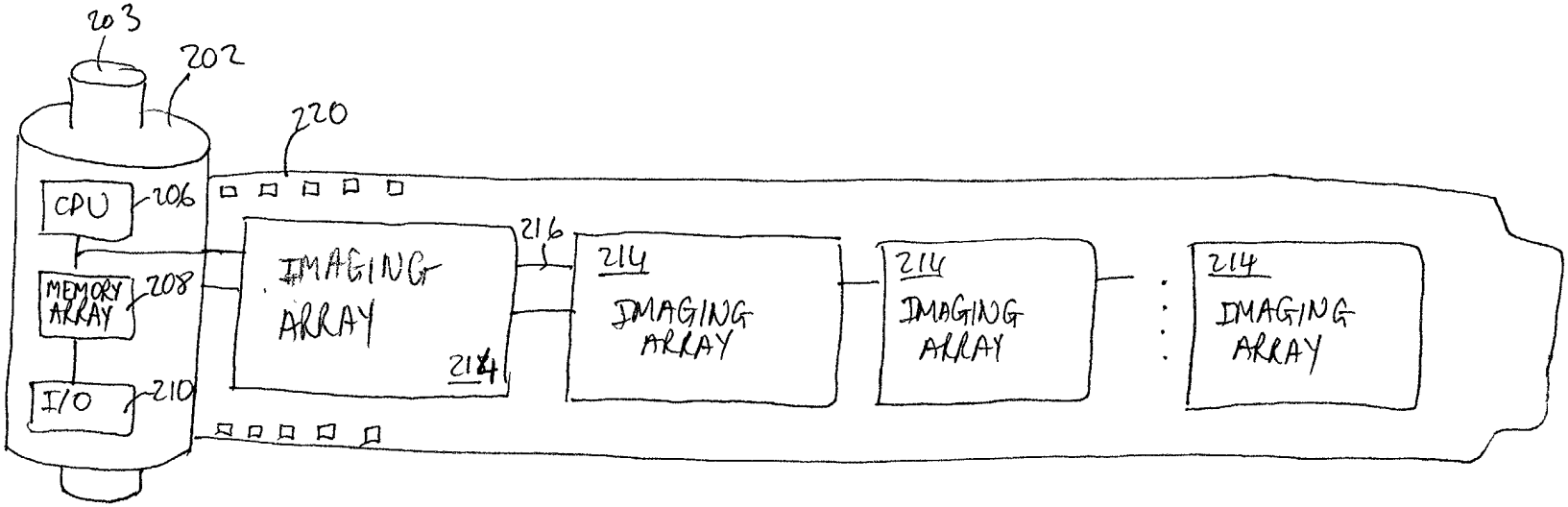
200
203
202
220
CPU
206
MEMORY ARRAY
208
I/O
210
IMAGING ARRAY
214
216
IMAGING ARRAY
214
IMAGING ARRAY
214
IMAGING ARRAY

FIG. 2

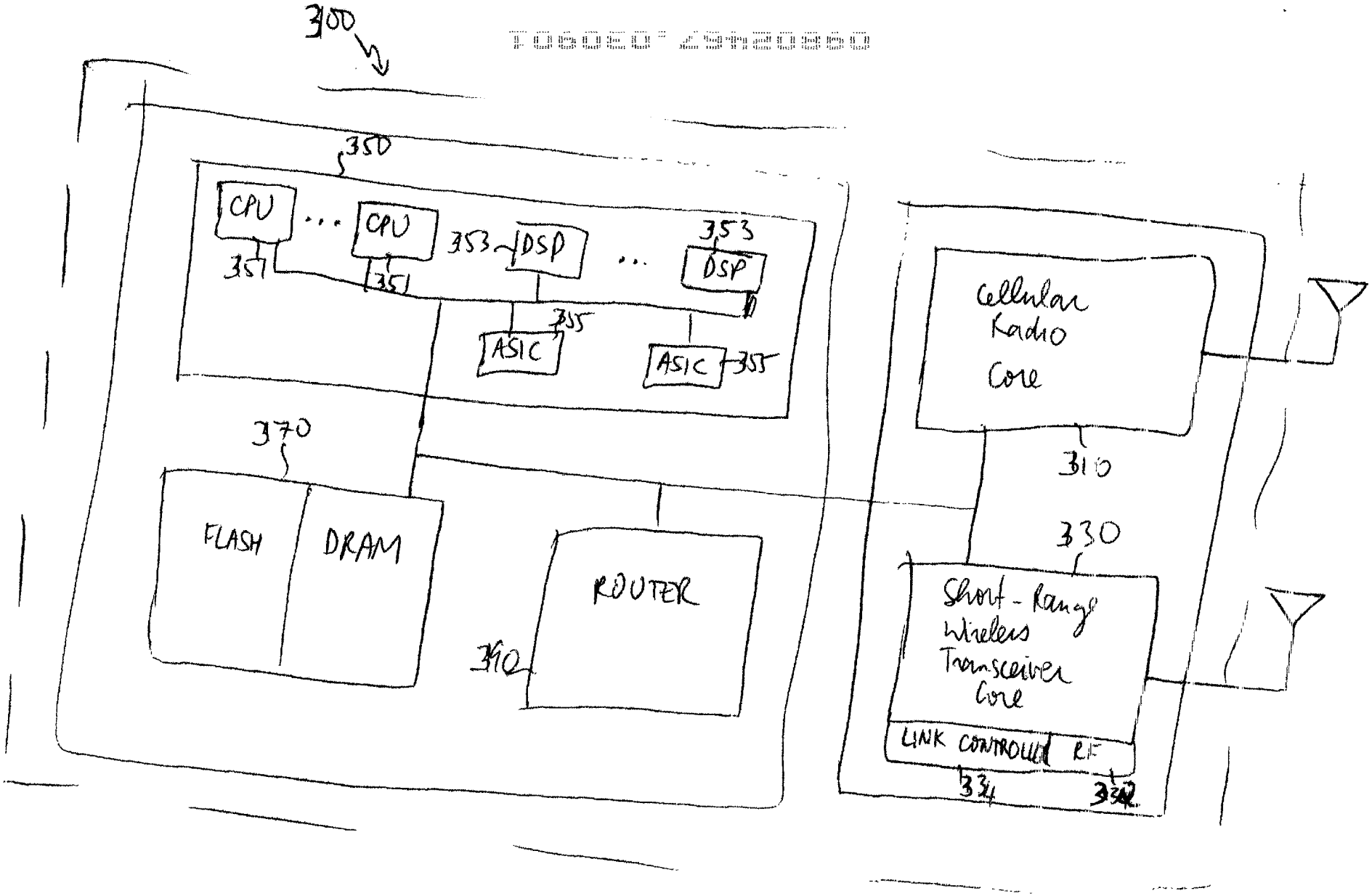
300
350
CPU
CPU
351
353
DSP
DSP
355
ASIC
ASIC
370
FLASH
DRAM
ROUTER
Cellular Radio Core
310
330
Short-Range Wireless Transceiver Core
LINK CONTROLLER
RF

FIG. 3

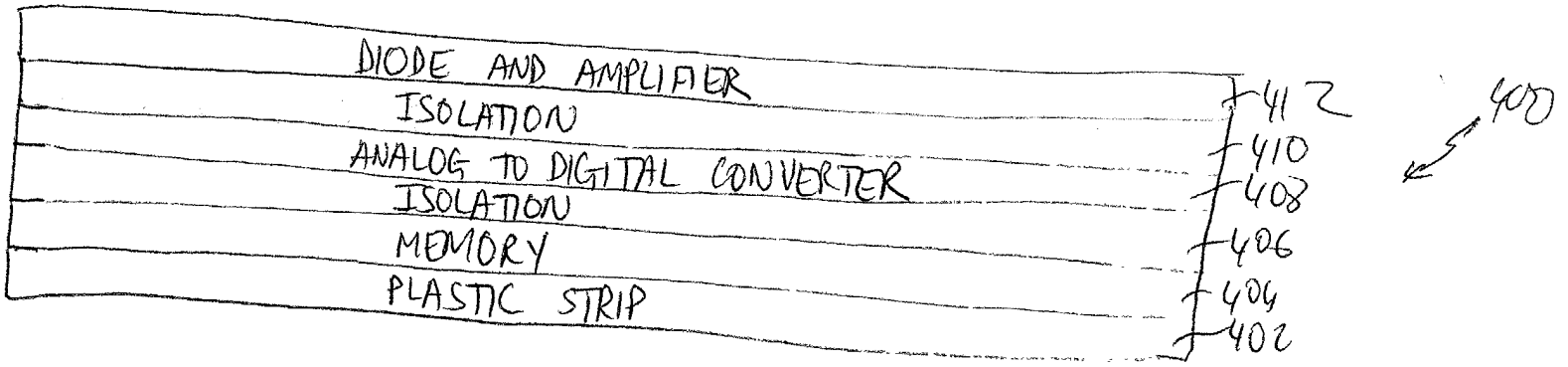
DIODE AND AMPLIFIER
ISOLATION
ANALOG TO DIGITAL CONVERTER
ISOLATION
MEMORY
PLASTIC STRIP
412
410
408
406
404
402
400

FIG. 4A

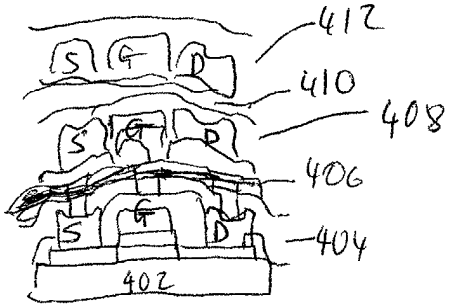
S
G
D
412
410
408
406
404
402

FIG. 4B